

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.**

Application Serial Number: 10/559,951  
Source: FWO  
Date Processed by STIC: 8/14/06

# ***ENTERED***



IFWO

## RAW SEQUENCE LISTING

DATE: 08/14/2006

PATENT APPLICATION: US/10/559,951

TIME: 11:25:41

Input Set : F:\51457-20018.00 - Seqlist.txt

Output Set: N:\CRF4\08142006\J559951.raw

4 <110> APPLICANT: TAO, Shengce  
 5 CHENG, Jing  
 7 <120> TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR OPTIMIZING  
 8 MULTIPLEX PCR PRIMERS  
 10 <130> FILE REFERENCE: 514572001800  
 12 <140> CURRENT APPLICATION NUMBER: 10/559,951  
 C--> 13 <141> CURRENT FILING DATE: 2005-12-09  
 15 <150> PRIOR APPLICATION NUMBER: PCT/CN/2003/000335  
 16 <151> PRIOR FILING DATE: 2003-05-09  
 18 <160> NUMBER OF SEQ ID NOS: 30  
 20 <170> SOFTWARE: FastSEQ for Windows Version 4.0  
 22 <210> SEQ ID NO: 1  
 23 <211> LENGTH: 19  
 24 <212> TYPE: DNA  
 25 <213> ORGANISM: Artificial Sequence  
 27 <220> FEATURE:  
 28 <223> OTHER INFORMATION: Primer  
 30 <400> SEQUENCE: 1  
 31 tcacttgctt ccgttgagg 19  
 33 <210> SEQ ID NO: 2  
 34 <211> LENGTH: 20  
 35 <212> TYPE: DNA  
 36 <213> ORGANISM: Artificial Sequence  
 38 <220> FEATURE:  
 39 <223> OTHER INFORMATION: Primer  
 41 <400> SEQUENCE: 2  
 42 ggtttcggat gttacagcgt 20  
 44 <210> SEQ ID NO: 3  
 45 <211> LENGTH: 47  
 46 <212> TYPE: DNA  
 47 <213> ORGANISM: Artificial Sequence  
 49 <220> FEATURE:  
 50 <223> OTHER INFORMATION: Primer  
 52 <400> SEQUENCE: 3  
 53 cacagctttc acttgcttcc gttgagggtt caagcctcca agctgtg 47  
 55 <210> SEQ ID NO: 4  
 56 <211> LENGTH: 48  
 57 <212> TYPE: DNA  
 58 <213> ORGANISM: Artificial Sequence  
 60 <220> FEATURE:  
 61 <223> OTHER INFORMATION: Primer  
 63 <400> SEQUENCE: 4  
 64 agaactccgg tttcggatgt tacagcgtct gcgaggcgag ggagttct 48

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66 <210> SEQ ID NO: 5
67 <211> LENGTH: 50
68 <212> TYPE: DNA
69 <213> ORGANISM: Artificial Sequence
71 <220> FEATURE:
72 <223> OTHER INFORMATION: Primer
74 <400> SEQUENCE: 5
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77 <210> SEQ ID NO: 6
78 <211> LENGTH: 51
79 <212> TYPE: DNA
80 <213> ORGANISM: Artificial Sequence
82 <220> FEATURE:
83 <223> OTHER INFORMATION: Primer
85 <400> SEQUENCE: 6
86 caaagagggtt tcggatgtta cagcgtggaa atgtctcagg tactttcttt g          51
88 <210> SEQ ID NO: 7
89 <211> LENGTH: 45
90 <212> TYPE: DNA
91 <213> ORGANISM: Artificial Sequence
93 <220> FEATURE:
94 <223> OTHER INFORMATION: Primer
96 <400> SEQUENCE: 7
97 acggtctcac ttgcttccgt tgaggaacat tccgaagggg accgt          45
99 <210> SEQ ID NO: 8
100 <211> LENGTH: 44
101 <212> TYPE: DNA
102 <213> ORGANISM: Artificial Sequence
104 <220> FEATURE:
105 <223> OTHER INFORMATION: Primer
107 <400> SEQUENCE: 8
108 cgtcctgggtt tcggatgtta cagcgtggca tccgaaggag gacg          44
110 <210> SEQ ID NO: 9
111 <211> LENGTH: 43
112 <212> TYPE: DNA
113 <213> ORGANISM: Artificial Sequence
115 <220> FEATURE:
116 <223> OTHER INFORMATION: Primer
118 <400> SEQUENCE: 9
119 cattatgtca cttgcttccg ttgaggccca cgcgcgcata atg          43
121 <210> SEQ ID NO: 10
122 <211> LENGTH: 44
123 <212> TYPE: DNA
124 <213> ORGANISM: Artificial Sequence
126 <220> FEATURE:
127 <223> OTHER INFORMATION: Primer
129 <400> SEQUENCE: 10
130 ctagggtttc ggatgttaca gcgtttcact tcggtctccc ctag          44
132 <210> SEQ ID NO: 11

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133 <211> LENGTH: 19
134 <212> TYPE: DNA
135 <213> ORGANISM: Artificial Sequence
137 <220> FEATURE:
138 <223> OTHER INFORMATION: Primer
140 <400> SEQUENCE: 11
141 tcacttgctt ccgttgagg                                     19
143 <210> SEQ ID NO: 12
144 <211> LENGTH: 20
145 <212> TYPE: DNA
146 <213> ORGANISM: Artificial Sequence
148 <220> FEATURE:
149 <223> OTHER INFORMATION: Primer
151 <400> SEQUENCE: 12
152 ggtttcggat gttacagcgt                                   20
154 <210> SEQ ID NO: 13
155 <211> LENGTH: 54
156 <212> TYPE: DNA
157 <213> ORGANISM: Artificial Sequence
159 <220> FEATURE:
160 <223> OTHER INFORMATION: Primer
162 <400> SEQUENCE: 13
163 tcacttgctt ccgttgaggg aagatctaga cagtggatac ataacaaatg catg   54
165 <210> SEQ ID NO: 14
166 <211> LENGTH: 55
167 <212> TYPE: DNA
168 <213> ORGANISM: Artificial Sequence
170 <220> FEATURE:
171 <223> OTHER INFORMATION: Primer
173 <400> SEQUENCE: 14
174 ggtttcggat gttacagcgt ttctccgaag gtaattgcct cccagatctg agtcc   55
176 <210> SEQ ID NO: 15
177 <211> LENGTH: 44
178 <212> TYPE: DNA
179 <213> ORGANISM: Artificial Sequence
181 <220> FEATURE:
182 <223> OTHER INFORMATION: Primer
184 <400> SEQUENCE: 15
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187 <210> SEQ ID NO: 16
188 <211> LENGTH: 50
189 <212> TYPE: DNA
190 <213> ORGANISM: Artificial Sequence
192 <220> FEATURE:
193 <223> OTHER INFORMATION: Primer
195 <400> SEQUENCE: 16
196 ggtttcggat gttacagcgt caggcggtag agtatgccaa atgaaaatca       50
198 <210> SEQ ID NO: 17
199 <211> LENGTH: 48

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200 <212> TYPE: DNA  
201 <213> ORGANISM: Artificial Sequence  
203 <220> FEATURE:  
204 <223> OTHER INFORMATION: Primer  
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209 <210> SEQ ID NO: 18  
210 <211> LENGTH: 49  
211 <212> TYPE: DNA  
212 <213> ORGANISM: Artificial Sequence  
214 <220> FEATURE:  
215 <223> OTHER INFORMATION: Primer  
217 <400> SEQUENCE: 18  
218 ggtttcggat gttacagcgt atatatgtgt tacctaccct tgtcgggtcc 49  
220 <210> SEQ ID NO: 19  
221 <211> LENGTH: 47  
222 <212> TYPE: DNA  
223 <213> ORGANISM: Artificial Sequence  
225 <220> FEATURE:  
226 <223> OTHER INFORMATION: Primer  
228 <400> SEQUENCE: 19  
229 tcacttgctt ccgttgaggg accaaatgga ttaagatggt catgaat 47  
231 <210> SEQ ID NO: 20  
232 <211> LENGTH: 48  
233 <212> TYPE: DNA  
234 <213> ORGANISM: Artificial Sequence  
236 <220> FEATURE:  
237 <223> OTHER INFORMATION: Primer  
239 <400> SEQUENCE: 20  
240 ggtttcggat gttacagcgt tctctctcac ccagtcacat cttcatag 48  
242 <210> SEQ ID NO: 21  
243 <211> LENGTH: 48  
244 <212> TYPE: DNA  
245 <213> ORGANISM: Artificial Sequence  
247 <220> FEATURE:  
248 <223> OTHER INFORMATION: Primer  
250 <400> SEQUENCE: 21  
251 tcacttgctt ccgttgagga ataggagtac ctgagatgta gcagaaat 48  
253 <210> SEQ ID NO: 22  
254 <211> LENGTH: 48  
255 <212> TYPE: DNA  
256 <213> ORGANISM: Artificial Sequence  
258 <220> FEATURE:  
259 <223> OTHER INFORMATION: Primer  
261 <400> SEQUENCE: 22  
262 ggtttcggat gttacagcgt ctgaccttaa gttgttcttc caaagcag 48  
264 <210> SEQ ID NO: 23  
265 <211> LENGTH: 46  
266 <212> TYPE: DNA

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267 <213> ORGANISM: Artificial Sequence
269 <220> FEATURE:
270 <223> OTHER INFORMATION: Primer
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275 <210> SEQ ID NO: 24
276 <211> LENGTH: 51
277 <212> TYPE: DNA
278 <213> ORGANISM: Artificial Sequence
280 <220> FEATURE:
281 <223> OTHER INFORMATION: Primer
283 <400> SEQUENCE: 24
284 ggtttcggat gttacagcg gtctcagtaa tcttcttacc tatgactatg g       51
286 <210> SEQ ID NO: 25
287 <211> LENGTH: 47
288 <212> TYPE: DNA
289 <213> ORGANISM: Artificial Sequence
291 <220> FEATURE:
292 <223> OTHER INFORMATION: Primer
294 <400> SEQUENCE: 25
295 tcacttgctt ccgttgaggc gttggtgcat ttgtctgttt cagttac         47
297 <210> SEQ ID NO: 26
298 <211> LENGTH: 47
299 <212> TYPE: DNA
300 <213> ORGANISM: Artificial Sequence
302 <220> FEATURE:
303 <223> OTHER INFORMATION: Primer
305 <400> SEQUENCE: 26
306 ggtttcggat gttacagcg gtctaaccctt tatccactgg agatttg         47
308 <210> SEQ ID NO: 27
309 <211> LENGTH: 48
310 <212> TYPE: DNA
311 <213> ORGANISM: Artificial Sequence
313 <220> FEATURE:
314 <223> OTHER INFORMATION: Primer
316 <400> SEQUENCE: 27
317 tcacttgctt ccgttgagga ggagaaattg cgcctctgaa agagaacg         48
319 <210> SEQ ID NO: 28
320 <211> LENGTH: 48
321 <212> TYPE: DNA
322 <213> ORGANISM: Artificial Sequence
324 <220> FEATURE:
325 <223> OTHER INFORMATION: Primer
327 <400> SEQUENCE: 28
328 ggtttcggat gttacagcg ctgcagaagc ttccatctgg tgttcagg         48
330 <210> SEQ ID NO: 29
331 <211> LENGTH: 46
332 <212> TYPE: DNA
333 <213> ORGANISM: Artificial Sequence

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VERIFICATION SUMMARY

DATE: 08/14/2006

PATENT APPLICATION: US/10/559,951

TIME: 11:25:42

Input Set : F:\51457-20018.00 - Seqlist.txt

Output Set: N:\CRF4\08142006\J559951.raw

L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date